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Herausgegeben von

H. Heyer, Tübingen
O.H. Kegel, Freiburg
W. Klingenberg, Bonn
A. Pfluger, Zürich
L. Smith, Göttingen
W. v. Wahl, Bayreuth
K. Zeller, Tübingen

Wissenschaftlicher Beirat

T. tom Dieck, Göttingen · B. Eckmann, Zürich
E. Heinz, Göttingen · K.H. Hofmann, New Orleans
U. Krengel, Göttingen · W. Magnus, New York
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H. Salzmann, Tübingen · H. H. Schaefer, Tübingen
H. Wielandt, Tübingen

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Manuscripts may be sent to / Manuskripte nehmen entgegen:

H. Heyer, Mathematisches Institut der Universität, Auf der Morgenstelle 10, D-7400 Tübingen, Federal Republic of Germany

O.H. Kegel, Mathematisches Institut der Universität, Albertstr. 23b, D-7800 Freiburg, Federal Republic of Germany

W. Klingenberg, Mathematisches Institut der Universität, Wegelerstr. 10, D-5300 Bonn, Federal Republic of Germany

A. Pfluger, Eidgen. Technische Hochschule, Mathematisches Seminar, CH-8000 Zürich, Schweiz

W. v. Wahl, Mathematisches Institut der Universität, Postfach 3008, D-8580 Bayreuth, Federal Republic of Germany

K. Zeller, Mathematisches Institut der Universität, Auf der Morgenstelle 10, D-7400 Tübingen, Federal Republic of Germany

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a', a^1; the symbol *a* and the indefinite article a;

also the handwritten Roman letters:

c, C; e, l; I, J; k, K; o, O; p, P; s, S; u, U; v, V; w, W; x, X; z, Z;

Please take care to distinguish them in some way.

C. Examples

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Script	$\mathscr{A}, \mathscr{B}, \mathscr{C}, \mathscr{D}, \mathscr{E}, \mathscr{F}, \mathscr{G}, \mathscr{H}, \mathscr{I}, \mathscr{J}, \mathscr{K}, \mathscr{L}, \mathscr{M}, \mathscr{N}, \mathscr{O}, \mathscr{P}, \mathscr{Q}, \mathscr{R}, \mathscr{S}, \mathscr{T}, \mathscr{U}, \mathscr{V}, \mathscr{W}, \mathscr{X}, \mathscr{Y}, \mathscr{Z}$
	$a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z$
Sanserif	A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
	a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
Gothic	$\mathfrak{A}, \mathfrak{B}, \mathfrak{C}, \mathfrak{D}, \mathfrak{E}, \mathfrak{F}, \mathfrak{G}, \mathfrak{H}, \mathfrak{I}, \mathfrak{J}, \mathfrak{K}, \mathfrak{L}, \mathfrak{M}, \mathfrak{N}, \mathfrak{O}, \mathfrak{P}, \mathfrak{Q}, \mathfrak{R}, \mathfrak{S}, \mathfrak{T}, \mathfrak{U}, \mathfrak{V}, \mathfrak{W}, \mathfrak{X}, \mathfrak{Y}, \mathfrak{Z}$
	$\mathfrak{a}, \mathfrak{b}, \mathfrak{c}, \mathfrak{d}, \mathfrak{e}, \mathfrak{f}, \mathfrak{g}, \mathfrak{h}, \mathfrak{i}, \mathfrak{j}, \mathfrak{k}, \mathfrak{l}, \mathfrak{m}, \mathfrak{n}, \mathfrak{o}, \mathfrak{p}, \mathfrak{q}, \mathfrak{r}, \mathfrak{s}, \mathfrak{t}, \mathfrak{u}, \mathfrak{v}, \mathfrak{w}, \mathfrak{x}, \mathfrak{y}, \mathfrak{z}$
Boldface	**A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z**
	a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
Special Roman	$\mathbb{A}, \mathbb{B}, \mathbb{C}, \mathbb{D}, \mathbb{E}, \mathbb{F}, \mathbb{G}, \mathbb{H}, \mathbb{I}, \mathbb{J}, \mathbb{K}, \mathbb{L}, \mathbb{M}, \mathbb{N}, \mathbb{O}, \mathbb{P}, \mathbb{Q}, \mathbb{R}, \mathbb{S}, \mathbb{T}, \mathbb{U}, \mathbb{V}, \mathbb{W}, \mathbb{X}, \mathbb{Y}, \mathbb{Z}, \mathbb{1}$
Greek	$\Gamma, \Delta, \Theta, \Lambda, \Xi, \Pi, \Sigma, \Phi, \Psi, \Omega$
	$\alpha, \beta, \gamma, \delta, \varepsilon, \zeta, \eta, \vartheta, \iota, \kappa, \lambda, \mu, \nu, \xi, o, \pi, \rho, \sigma, \tau, \upsilon, \varphi, \phi, \chi, \psi, \omega$
Greek Sanserif	A, B, Γ, Δ, E, Z, H, Θ, I, K, Λ, M, N, Ξ, O, Π, P, Σ, T, Y, Φ, X, Ψ, Ω
	α, β, γ, δ, ε, ζ, η, ϑ, θ, ι, κ, λ, μ, ν, ξ, ο, π, ρ, σ, ς, τ, υ, φ, χ, ψ, ω
	(Indices and superscripts are not available)

2. Notations

preferred form	instead of
$A^*, \tilde{b}, \gamma', \mathfrak{v}, \mathbf{v}$	$\bar{A}, \hat{b}, \check{\gamma}, \vec{v}$
lim sup, proj lim	$\overline{\lim}, \underleftarrow{\lim}$
$f: A \to B$	$A \xrightarrow{f} B$
$\sum_{n=1}^{\infty}$	$\sum\limits_{n=1}^{\infty}$

preferred form	instead of
$\exp(-(x^2+y^2)/a^2)$	$e^{-\frac{x^2+y^2}{a^2}}$
$\dfrac{\cos(1/x)}{(a+b/x)^{1/2}}$	$\dfrac{\cos\frac{1}{x}}{\sqrt{a+\frac{b}{x}}}$